

WHAT IS CLAIMED IS:

1. An automatic liquid or blood transfusion system, comprising:
a pressurization device including an enclosure having a front panel and an open rear end, the pressurization device further comprising the following devices
5 installed in the enclosure:
 - a gas inlet from which a gas is supplied;
 - a valve having one end in fluid communication with the gas inlet;
 - a gas outlet in fluid communication with the other one end of the valve and at least one liquid transfusion bag;
 - 10 a pressure gauge installed at the gas outlet to monitor pressure of the gas flowing through the gas outlet;
 - a pressure regulator in fluid communication with the gas outlet to regulate pressure of the gas flowing through the gas outlet at a constant value;
 - a control knob installed at the front panel of the enclosure to set up the
15 constant value;
 - a lid, to cover the rear open end of the enclosure, wherein the lid is perforated with a central opening allowing the gas outlet open at the rear end of the enclosure;
 - a gas reservoir having a gas outlet to be connected with the gas inlet of the
20 pressurization device, a gas inlet to be connected to a gas supply source, and a flat rear panel with two lateral protruding sides; and
 - a wall mount, having a pair of slide channels through which the protruding sides of the gas reservoir slide in, and a bottom rim extending between two bottom ends of the slide channels to hold the gas reservoir.
- 25 2. The system of Claim 1, further comprising a switch installed at the gas outlet of the pressurization device.
3. The system of Claim 1, wherein the gas reservoir comprises a hollow shell.

4. The system of Claim 1, further comprising the gas delivery tube with one proximal end connected to the gas outlet of the pressurization device and one distal end connected to the liquid transfusion bag.

5. The system of Claim 4, further comprising a branching device
5 connected to the distal end of the gas delivery tube, such that the pressurization device can be connected to more than one liquid transfusion bag.

6. The system of Claim 5, wherein the branching device includes a Y-piece.

7. The system of Claim 1, further comprising a gas supply tube having a
10 proximal end connected to the gas inlet of the gas reservoir and a distal end connected to the gas supply source.

8. The system of Claim 7, further comprising a plug installed at the distal end of the gas supply tube.

9. The system of Claim 8, further comprising a switch installed at the
15 plug.

10. The system of Claim 1, further comprising a gas meter mounted on top of the gas transfusion bag and connected to the gas supply source.

11. The system of Claim 1, further comprising a turning knob to adjust gas leakage ratio of the pressure regulator.

20